

Title (en)

Valve stem seal with gas relief features

Title (de)

Ventilschaftdichtung mit Gasentlastungsfunktionen

Title (fr)

Joint de tige de soupape avec fonctions de libération de gaz

Publication

EP 2241730 B1 20161228 (EN)

Application

EP 09005463 A 20090417

Priority

EP 09005463 A 20090417

Abstract (en)

[origin: EP2241730A1] A valve stem seal can include an elastomeric component having a first portion for having a sealed engagement with a valve stem (34), and a pressure relief lip engaging a valve guide (36). The pressure relief lip can have a sealing configuration and a venting configuration. The venting configuration can allow excess exhaust gases to vent from a combustion chamber (26). After the venting of excess exhaust gases, the pressure relief lip can close to the sealing configuration to prevent oil from entering the combustion chamber (26). The elastomeric body or the valve guide can include a pressure relief channel. The elastomeric body can also include a bumper engaging the valve guide (36). The pressure relief channel can be disposed in the bumper.

IPC 8 full level

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CPC (source: EP)

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Cited by

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